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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 98,385)

PATENT

In re Application of: Hauptmann, et al. )  
Serial No.: 08/383,676 ) Before the Examiner: G. Draper  
Filed: February 1, 1995 ) Group Art Unit: 1646  
For: TNF Receptors, TNF Binding )  
Proteins and DNAs Coding )  
For Them )

Assistant Commissioner for Patents  
Drawing Processing Branch  
Washington, D.C. 20231

Sir/Madam:

**RESPONSE TO NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW**

Responsive to the Notice of Draftsperson's Patent Drawing Review, mailed May 28, 1992, Applicants submit herewith **twenty-two (22)** sheets of formal drawings, pursuant to the provisions of 37 C.F.R. §1.84. By his signature below Applicants' representative attests to the fact that no new matter is introduced into the specification by the corrections to the drawings submitted herewith.

If the Examiner in charge of this application believes it to be helpful, the Examiner is invited to contact the undersigned by telephone at (312) 913-0001.

Respectfully submitted,  
**McDonnell Boehnen Hulbert & Berghoff**

By: \_\_\_\_\_  
Kevin E. Noonan, Ph.D.  
Reg. No. 35,303

Dated: November 29, 1999

APPROVED	O. G. Flu.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

6294352

FIG. 1A

GAATTCTCTGGACTGAGGCTCCAGTTCTGGCCTTGGGG

TTCAAGATCACTGGGACCAGGCCGTATCTCTATGCCCGAGTCTCAACCTCAACTGTC  
ACCCCAAGGCACTTGGGACGTCTGGACAGACCGAGTCCGGAGCAGCCCCAGCACTGCC

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GCTGCCACACTGCCCTGAGCCAAATGGGGAGTGAGAGGCCA TAG CTG TCT GGC

S1	S5	S10	S15											
Met	Gly	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu	Pro	Leu	Val	Leu
ATG	GGC	CTC	TCC	ACC	GTG	CCT	GAC	CTG	CTG	CTG	CTG	CCA	CTG	GTG
216	225	234	243	252										

S20	S25	S29	1											
Leu	Glu	Leu	Leu	Val	Gly	Ile	Tyr	Pro	Ser	Gly	Val	Ile	Gly	Leu
CTG	GAG	CTG	TTG	GTG	GGA	ATA	TAC	CCC	TCA	GGG	GTT	ATT	GGA	CTG
261	270	279	288	297										

5	10	15												
Val	Pro	His	Leu	Gly	Asp	Arg	Glu	Lys	Arg	Asp	Ser	Val	Cys	Pro
GTC	CCT	CAC	CTA	GGG	GAC	AGG	GAG	AAG	AGA	GAT	AGT	GTG	TGT	CCC
306	315	324	333	342										

20	25	30												
Gln	Gly	Lys	Tyr	Ile	His	Pro	Gln	Asn	Asn	Ser	Ile	Cys	Cys	Thr
CAA	GGA	AAA	TAT	ATC	CAC	CCT	CAA	AAT	AAT	TCG	ATT	TGC	TGT	ACC
351	360	369	378	387										

35	40	45												
Lys	Cys	His	Lys	Gly	Thr	Tyr	Leu	Tyr	Asn	Asp	Cys	Pro	Gly	Pro
AAG	TGC	CAC	AAA	GGA	ACC	TAC	TTG	TAC	AAT	GAC	TGT	CCA	GGC	CCG
396	405	414	423	432										

50	55	60												
Gly	Gln	Asp	Thr	Asp	Cys	Arg	Glu	Cys	Glu	Ser	Gly	Ser	Phe	Thr
GGG	CAG	GAT	ACG	GAC	TGC	AGG	GAG	TGT	GAG	AGC	GGC	TCC	TTC	ACC
441	450	459	468	477										

65	70	75												
Ala	Ser	Glu	Asn	His	Leu	Arg	His	Cys	Leu	Ser	Cys	Ser	Lys	Cys
GCT	TCA	GAA	AAC	CAC	CTC	AGA	CAC	TGC	CTC	AGC	TGC	TCC	AAA	TGC
486	495	504	513	522										

80	85	90												
Arg	Lys	Glu	Met	Gly	Gln	Val	Glu	Ile	Ser	Ser	Cys	Thr	Val	Asp
CGA	AAG	GAA	ATG	GGT	CAG	GTG	GAG	ATC	TCT	TCT	TGC	ACA	GTG	GAC
531	540	549	558	567										

APPROVED	O.G. FIG.	
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## FIG. 1B

95	100	105
Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr		
CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT		
576	585	594
603		612
110	115	120
Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu		
TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC		
621	630	639
648		657
125	130	135
Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val		
AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG		
666	675	684
693		702
140	145	150
Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val		
TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC		
711	720	729
738		747
155	160	165
Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr Lys Leu Cys		
TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC		
756	765	774
783		792
170	175	180
Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser Gly Thr		
CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC		
801	810	819
828		837
185	190	195
Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu Leu		
ACA GTG CTG TTG CCC CTG GTC ATT TTC TTT GGT CTT TGC CTT TTA		
846	855	864
873		882
200	205	210
Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys		
TCC CTC CTC TTC ATT GGT TTA ATG TAT CGC TAC CAA CGG TGG AAG		
891	900	909
918		927
215	220	225
Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys		
TCC AAG CTC TAC TCC ATT GTT TGT GGG AAA TCG ACA CCT GAA AAA		
936	945	954
963		972
230	235	240
Glu Gly Glu Leu Glu Gly Thr Thr Thr Lys Pro Leu Ala Pro Asn		
GAG GGG GAG CTT GAA GGA ACT ACT ACT AAG CCC CTG GCC CCA AAC		
981	990	999
1008		1017

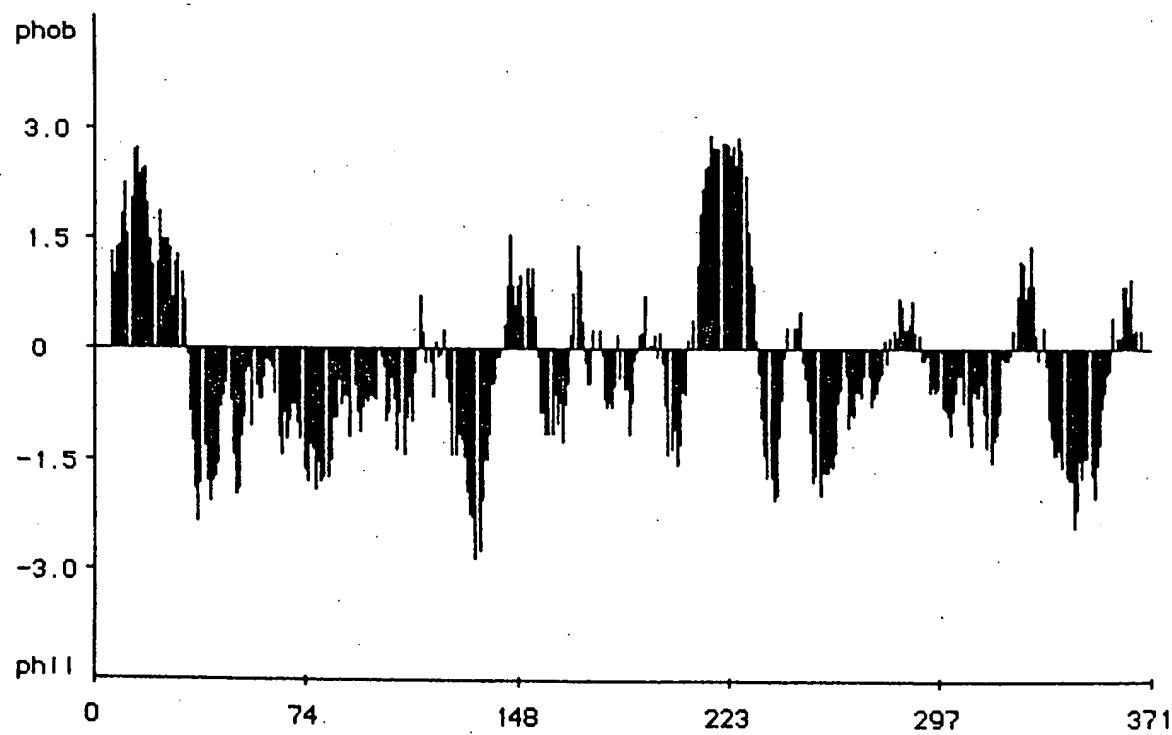
APPROVED	O.G. FIG.	
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## FIG. 1C

245	250	255
Pro Ser Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe		
CCA AGC TTC AGT CCC ACT CCA GGC TTC ACC CCC ACC CTG GGC TTC		
1026	1035	1044
		1053
		1062
260	265	270
Ser Pro Val Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr		
AGT CCC GTG CCC AGT TCC ACC TTC ACC TCC AGC TCC ACC ACC TAT ACC		
1071	1080	1089
		1098
		1107
275	280	285
Pro Gly Asp Cys Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala		
CCC GGT GAC TGT CCC AAC TTT GCG GCT CCC CGC AGA GAG GTG GCA		
1116	1125	1134
		1143
		1152
290	295	300
Pro Pro Tyr Gln Gly Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala		
CCA CCC TAT CAG GGG GCT GAC CCC ATC CTT GCG ACA GCC CTC GCC		
1161	1170	1179
		1188
		1197
305	310	315
Ser Asp Pro Ile Pro Asn Pro Leu Gln Lys Trp Glu Asp Ser Ala		
TCC GAC CCC ATC CCC AAC CCC CTT CAG AAG TGG GAG GAC AGC GCC		
1206	1215	1224
		1233
		1242
320	325	330
His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala Thr Leu Tyr		
CAC AAG CCA CAG AGC CTA GAC ACT GAT GAC CCC GCG ACG CTG TAC		
1251	1260	1269
		1278
		1287
335	340	
Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp		
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AA <u>GGAATTC</u>		
1296	1305	1314
		1323
		1332

APPROVED	O.G. FIG.	
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FIG. 2



APPROVED	O.G. FIG.
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FIG. 3A

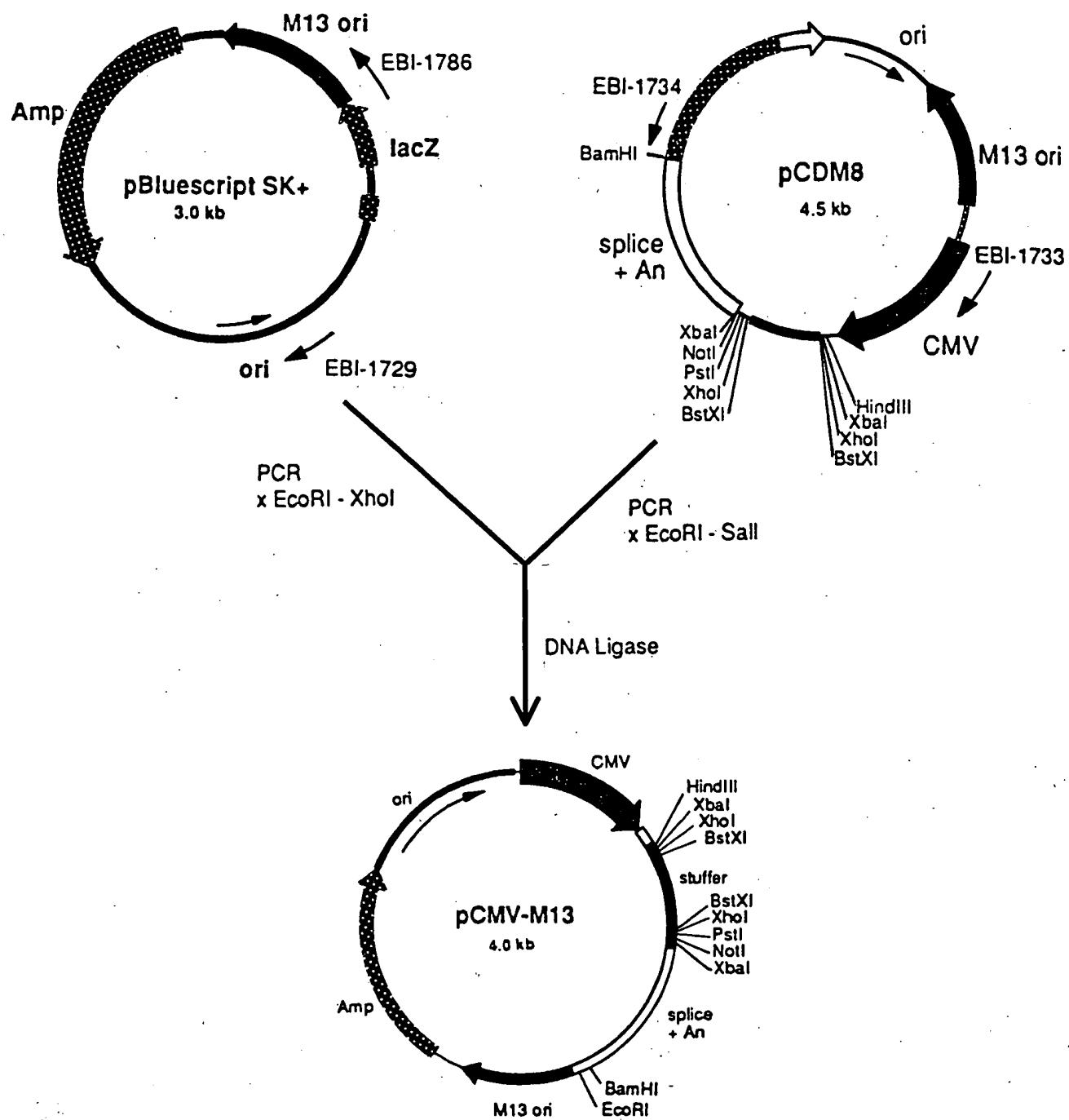
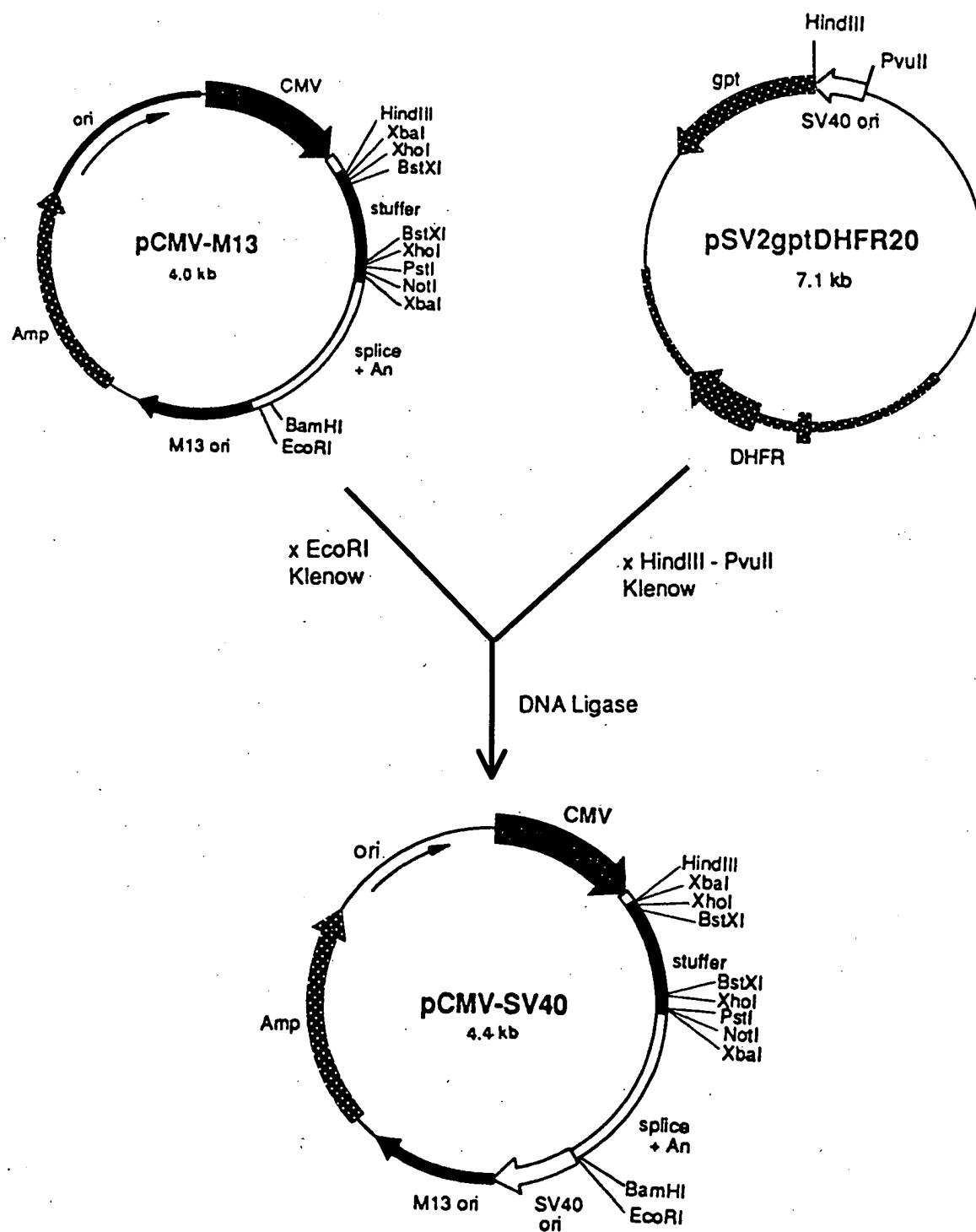
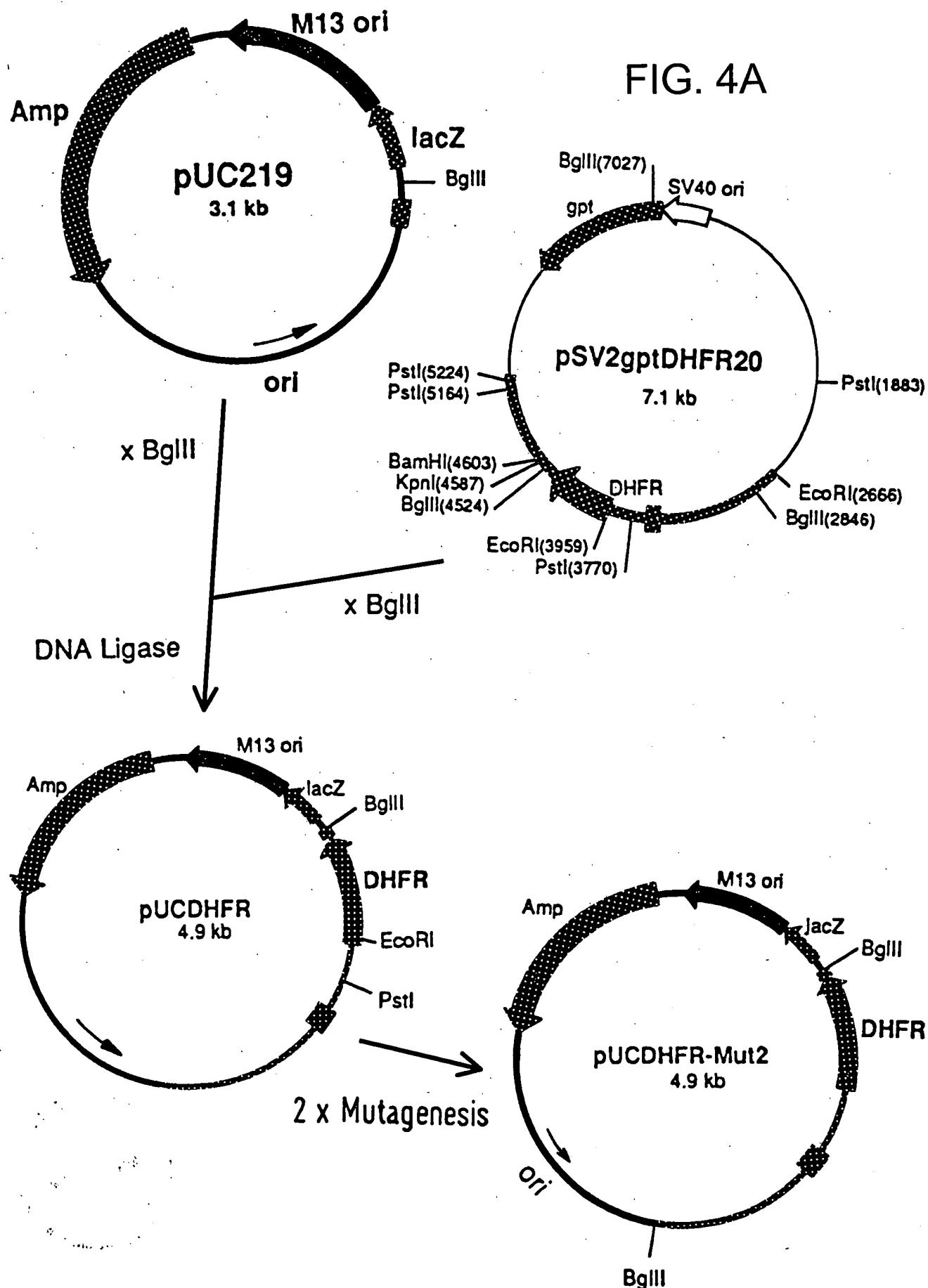
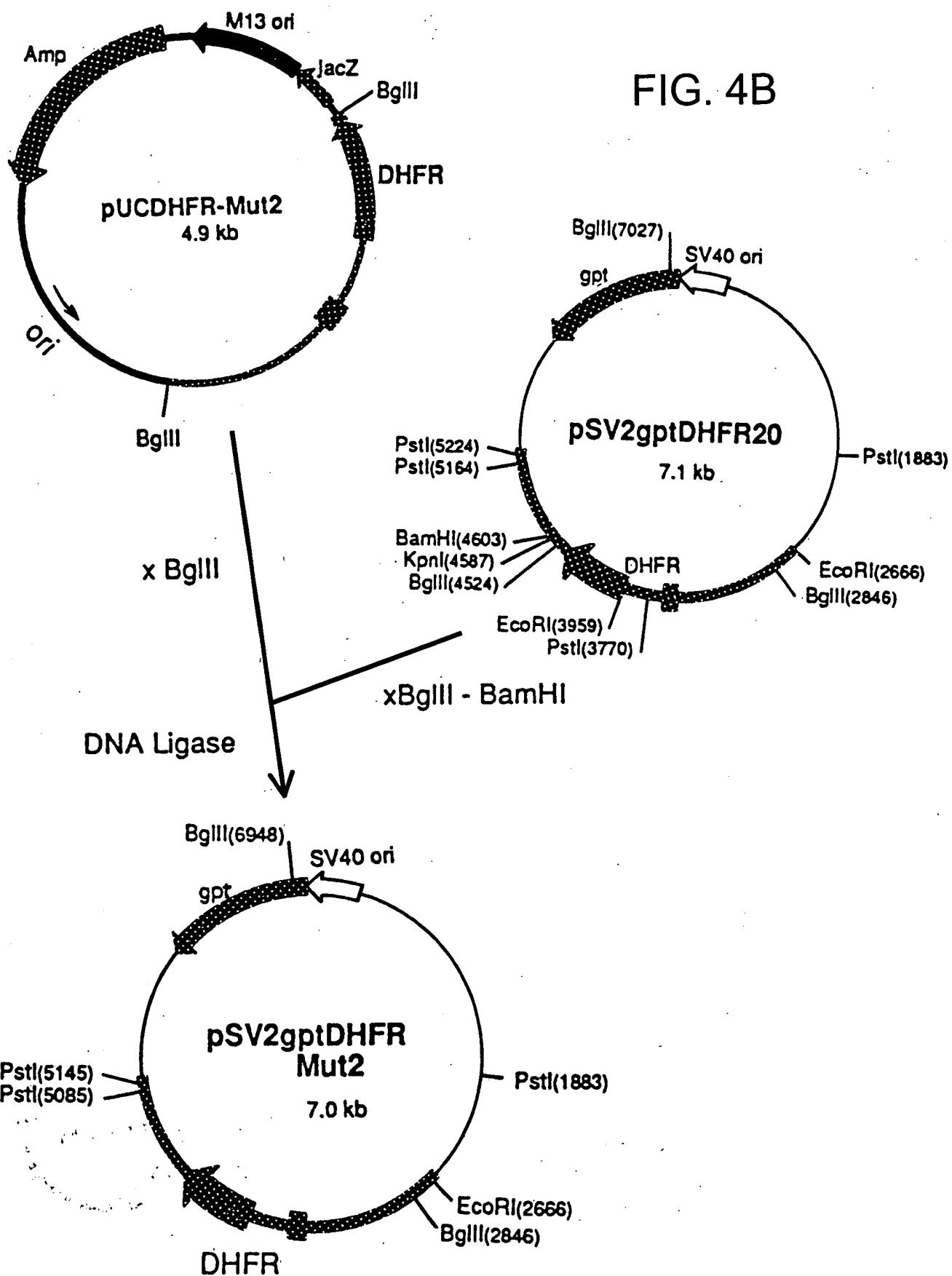


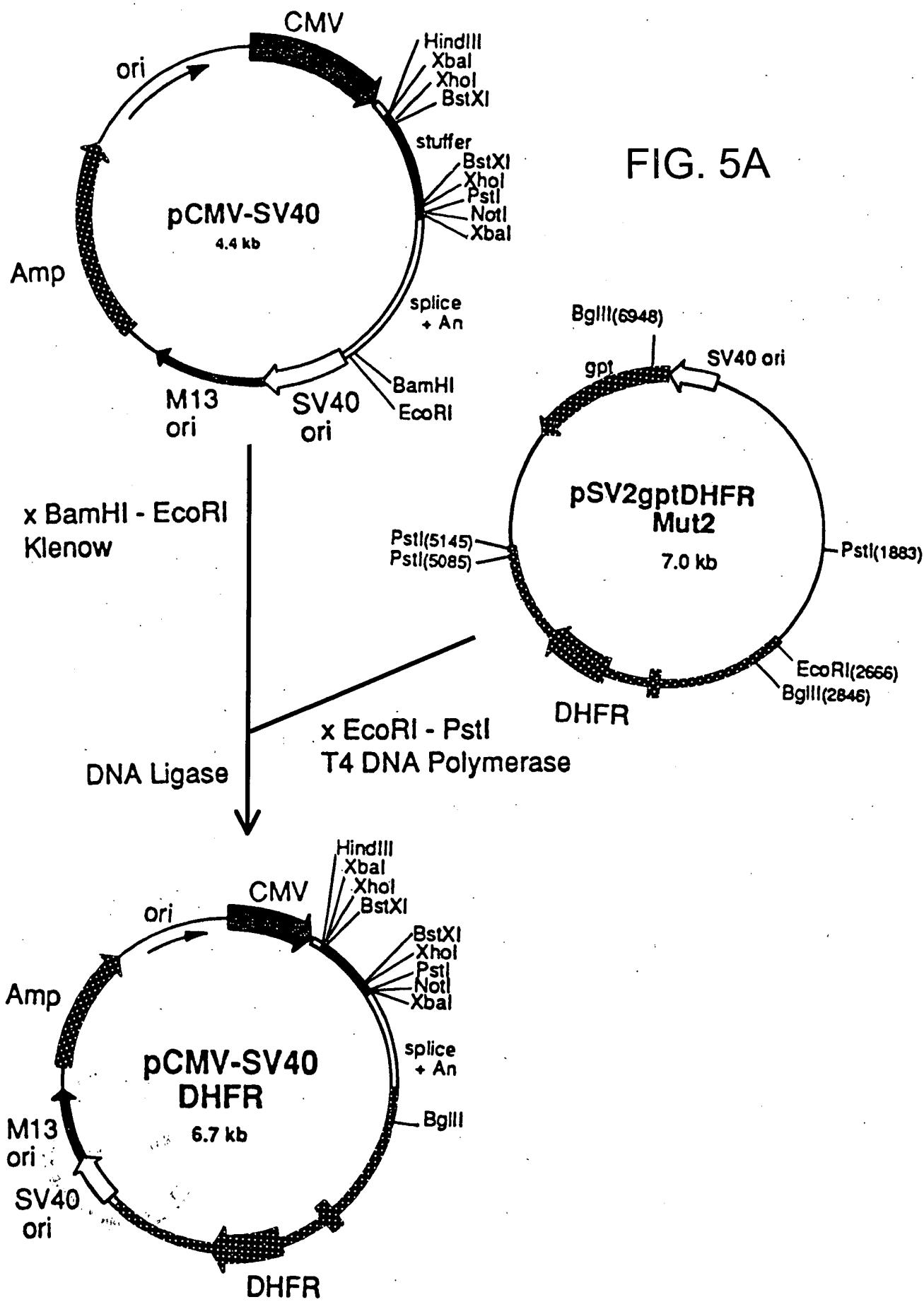
FIG. 3B





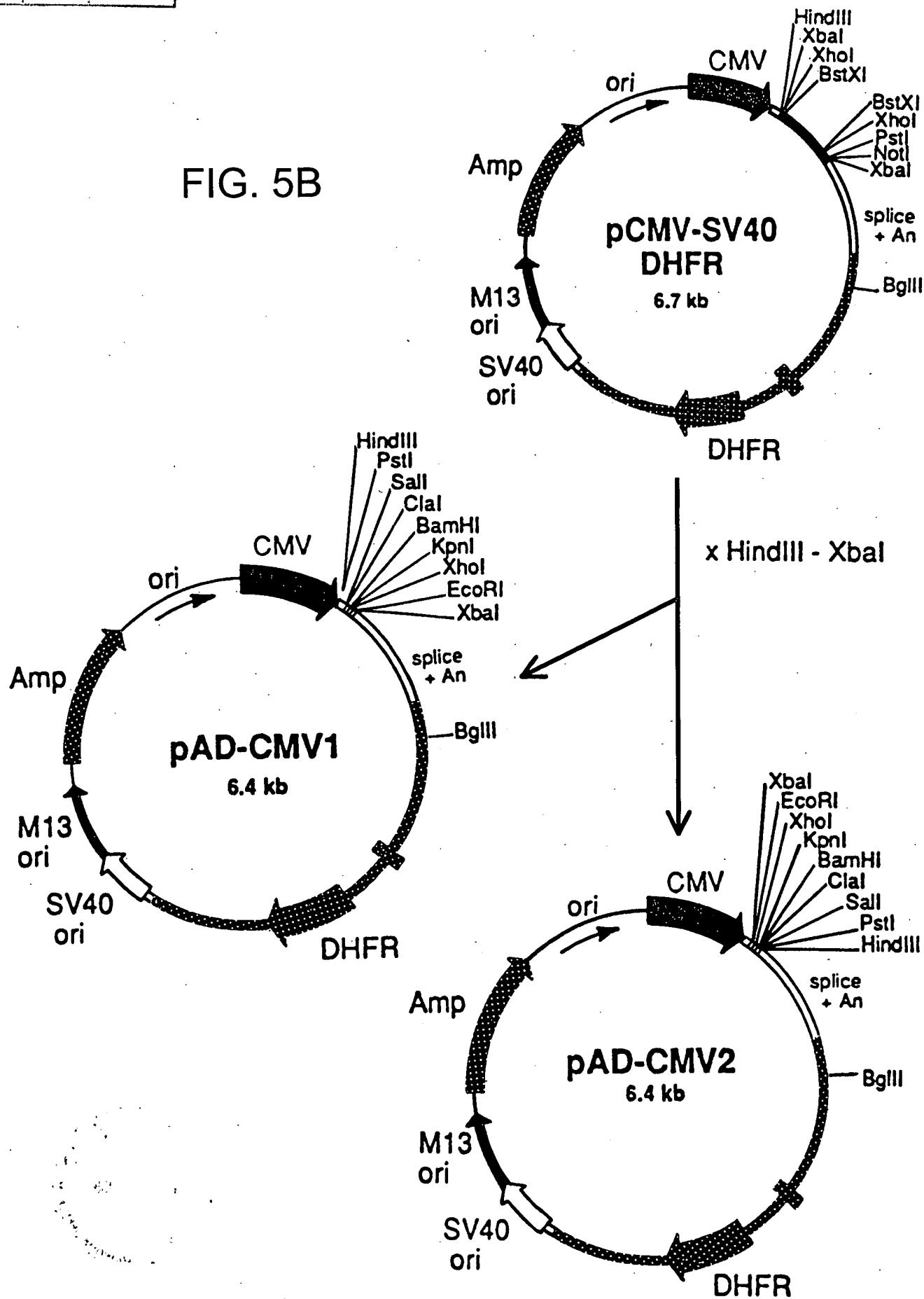


APPROVED	O.G. FIG.
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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 5B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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# FIG. 6A

PAD-CMV1 : 6414 bp

TCGACATTGA TTATTGACTA GTTATTAATA GTAATCAATT ACGGGGTCA	TAGTTCATAG	60
CCCATATATG GAGTTCCCGCG TTACATAACT TACGGTAAAT GGCCCGCCTG GCTGACCGCC		120
CAACGACCCC CGCCCATTGA CGTCAATAAT GACGTATGTT CCCATAGTAA CGCCAATAGG		180
GACTTTCCAT TGACGTCAAT GGGTGGAGTA TTTACGGTAA ACTGCCACT TGGCAGTACA		240
TCAAGTGTAT CATATGCCAA GTACGCCCCC TATTGACGTC AATGACGGTA AATGGCCCGC		300
CTGGCATTAT GCCCAGTACA TGACCTTATG GGACTTCCT ACTTGGCAGT ACATCTACGT		360
ATTAGTCATC GCTATTACCA TGGTGATGCG GTTTGCGAG TACATCAATG GGCGTGGATA		420
GCGGTTTGAC TCACGGGGAT TTCCAAGTCT CCACCCCCATT GACGTCAATG GGAGTTGTT		480
TTGGCACCAA AATCAACGGG ACTTTCCAAA ATGTCGTAAAC AACTCCGCC CATTGACGCA		540
AATGGGCGGT AGGCGTGTAC GGTGGGAGGT CTATATAAGC AGAGCTCTCT GGCTAACTAG		600
AGAACCCACT GCTTAACTGG CTTATCGAAA TTAATACGAC TCACTATAGG GAGACCCAAG		660
CTTCTGCAGG TCGACATCGA TGGATCCGGT ACCTCGAGCG CGAATTCTCT AGAGGATCTT		720
TGTGAAGGAA CCTTACTTCT GTGGTGTGAC ATAATTGGAC AACTACCTA CAGAGATTTA		780
AAGCTCTAAG GTAAATATAA AATTTTTAAG TGTATAATGT GTTAAACTAC TGATTCTAAT		840
TGTTTGTGTA TTTTAGATTC CAACCTATGG AACTGATGAA TGGGAGCAGT GGTGGAATGC		900
CTTTAATGAG GAAAACCTGT TTTGCTCAGA AGAAATGCCA TCTAGTGATG ATGAGGCTAC		960
TGCTGACTCT CAACATTCTA CTCCTCCAAA AAAGAAGAGA AAGGTAGAAG ACCCCAAGGA		1020
CTTCCTTCA GAATTGCTAA GTTTTTGAG TCATGCTGTG TTTAGTAATA GAACTCTTGC		1080
TTGCTTGCT ATTTACACCA CAAAGGAAAA AGCTGCACTG CTATACAAGA AAATTATGGA		1140
AAAATATTG ATGTATAGTG CCTTGACTAG AGATCATAAT CAGCCATACC ACATTGAG		1200
AGGTTTACT TGCTTTAAA AACCTCCAC ACCTCCCCCT GAACCTGAAA CATAAAATGA		1260
ATGCAATTGT TGTTGTTAAC TTGTTATTG CAGCTTATAA TGGTTACAAA TAAAGCAATA		1320
GCATCACAAA TTTCACAAAT AAAGCATTTC TTTCACTGCA TTCTAGTTGT GGTTGTCCA		1380
AACTCATCAA TGTATCTTAT CATGTCTGGA TCAATTCTGA GAAACTAGCC TTAAAGACAG		1440

APPROVED	O.G. FIG.	
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## FIG. 6B

ACAGCTTTGT	TCTAGTCAGC	CAGGCAAGCA	TATGTAATAAATA	AAGTTCCCTCA	GGGAACGTGAG	1500
GTAAAAGAT	GTATCCTGGA	CCTGCCAGAC	CTGGCCATTG	ACGTAAACAG	AAGATTCCGC	1560
CTCAAGTTCC	GGTTAACAAAC	AGGAGGCAAC	GAGATCTCAA	ATCTATTACT	TCTAATCGGG	1620
TAATTAAAAC	CTTTCAACTA	AAACACGGAC	CCACGGATGT	CACCCACTTT	TCCTTCCCCG	1680
GCTCCGCCCT	TCTCAGTACT	CCCCACCATT	AGGCTCGCTA	CTCCACCTCC	ACTTCCGGC	1740
GCGACACCCA	CGTGCCCTCT	CCCACCCGAC	GCTAACCCCCG	CCCCTGCCCG	TCTGACCCCCG	1800
CCCACCACCT	GGCCCCGCC	CGTTGAGGAC	AGAAGAAACC	CCGGGCAGCC	GCAGCCAAGG	1860
CGGACGGGTA	GACGCTGGGG	GCGCTGAGGA	GTCGTCCCTCT	ACCTTCTCTG	CTGGCTCGGT	1920
GGGGGACGCG	GTGGATCTCA	GGCTTCCGG	AGACTGGAAG	AACCGGCTCA	GAACCGCTTG	1980
TCTCCGCGGG	GCTTGGCGG	CGGAAGAATG	GCCGCTAGAC	GCGGACTTGG	TGCGAGGCAT	2040
CGCAGGATGC	AGAAGAGCAA	GCCCCGCCGG	AGCGCGCGC	TGTACTACCC	CGCGCCTGGA	2100
GCGGCCACGC	CGGACTGGGC	GGGGCCGGCC	TGGTGGAGGC	GGAGTCTGAC	CTCGTGGAGG	2160
CGGGGCCTCT	GATGTTCAAA	TAGGATGCTA	GGCTTGTGA	GGCGTGGCCT	CCGATTACACA	2220
AGTGGGAAGC	AGCGCCGGGC	GACTGCAATT	TCGCGCCAAA	CTTGGGGAA	GCACAGCGTA	2280
CAGGCTGCCT	AGGTGATCGC	TGCTGCTGTC	ATGGTTCGAC	CGCTGAACTG	CATCGTCGCC	2340
GTTCCCAGA	ATATGGGCAT	CGGCAAGAAC	GGAGACCTTC	CCTGGCCAAT	GCTCAGGTAC	2400
TGGCTGGATT	GGGTTAGGGA	AACCGAGGCG	GTTCGCTGAA	TCGGGTCGAG	CACTTGGCGG	2460
AGACGCGCGG	GCCAACACT	TAGGGACAGT	CATGAGGGGT	AGGCCCCCG	GCTGCTGCC	2520
TTGCCCATGC	CCGCGGTGAT	CCCCATGCTG	TGCCAGCCTT	TGCCCAGAGG	CGCTCTAGCT	2580
GGGAGCAAAG	TCCGGTCACT	GGGCAGCACC	ACCCCCCGGA	CTTGCATGGG	TAGCCGCTGA	2640
GATGGAGCCT	GAGCACACGT	GACAGGGTCC	CTGTTAACGC	AGTGTTCCTC	TAACTTTCAG	2700
GAACGAGTTC	AAGTACTTCC	AAAGAATGAC	CACCACCTCC	TCAGTGGAAAG	GTAAACAGAA	2760
CCTGGTGATT	ATGGGCCGG	AAACCTGGTT	CTCCATTCC	GAGAAGAAC	GACCTTTAAA	2820
GGACAGAATT	AATATAGTTC	TCAGTAGAGA	GCTCAAGGAA	CCACCACAAG	GAGCTCATT	2880
TCTGCCAAA	AGTCTGGACC	ATGCCTTAAA	ACTTATTGAA	CAACCAGAGT	TAGCAGATAA	2940
AGTGGACATG	GTGGAGGATAG	TTGGAGGCAG	TTCCGTTAC	AAGGAAGCCA	TGAATCAGCC	3000

APPROVED	O.S. FIG.	
BY	CLASS	SUBCLASS
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# FIG. 6C

AGGCCATCTC AGACTCTTG TGACAAGGAT CATGCAGGAA TTTGAAAGTG ACACGTTCTT	3060
CCCAGAAATT GATTTGGAGA AATATAAACT TCTCCCAGAG TACCCAGGGG TCCTTTCTGA	3120
AGTCCAGGAG GAAAAAGGCA TCAAGTATAA ATTTGAAGTC TATGAGAAGA AAGGCTAAC	3180
GAAAGATACT TGCTGATTGA CTTCAAGTTC TACTGCTTTC CTCCTAAAAT TATGCATTT	3240
TACAAGACCA TGGGACTTGT GTTGGCTTA GATCCTGTGC ATCCTGGCA ACTGTTGTAC	3300
TCTAAGCCAC TCCCCAAAGT CATGCCAG CCCCTGTATA ATTCTAAACA ATTAGAATTA	3360
TTTCATTTC CATTAGTCTA ACCAGGTTAT ATTAAATATA CTTAAGAAA CACCATTTGC	3420
CATAAAGTTC TCAATGCCCT TCCCAGCAG CCTCAAGTGG CTCCCCAGCA GATGCATAGG	3480
GTAGTGTGTG TACAAGAGAC CCCAAAGACA TAGAGCCCT GAGAGCATGA GCTGATATGG	3540
GGGCTCATAG AGATAGGAGC TAGATGAATA AGTACAAAGG GCAGAAATGG GTTTAACCA	3600
GCAGAGCTAG AACTCAGACT TTAAAGAAAA TTAGATCAA GTAGAGACTG AATTATTCTG	3660
CACATCAGAC TCTGAGCAGA GTTCTGTTCA CTCAGACAGA AAATGGTAA ATTGAGAGCT	3720
GGCTCCATTG TGCTCCTTAG AGATGGGAGC AGGTGGAGGA TTATATAAGG TCTGGAACAT	3780
TTAACCTCTC CGTTTCTCAT CTTCAGTGAG ATTCCAAGGG ATACTACAAT TCTGTGGAAT	3840
GTGTGTCAGT TAGGGTGTGG AAAGTCCCCA GGCTCCCCAG CAGGCAGAAG TATGCAAAGC	3900
ATGCATCTCA ATTAGTCAGC AACCAGGTGT GGAAAGTCCC CAGGCTCCCC AGCAGGCAGA	3960
AGTATGCAA GCATGCATCT CAATTAGTCA GCAACCATAG TCCCGCCCCC AACTCCGCC	4020
ATCCCGCCCC TAACTCCGCC CAGTTCCGCC CATTCTCCGC CCCATGGCTG ACTAATTTT	4080
TTTATTTATG CAGAGGCCGA GGCGCCTCTG AGCTATTCCA GAAGTAGTGA GGAGGCTTT	4140
TTGGAGGCCT AGGCTTTGC AAAAAAGCTA ATTCAAGCTG AATGGCGAAT GGGACGCGCC	4200
CTGTAGCGGC GCATTAAGCG CGGCGGGTGT GGTGGTTACG CGCAGCGTGA CCGCTACACT	4260
TGCCAGCGCC CTAGCGCCCCG CTCCCTTCGC TTTCTCCCT TCCTTCTCG CCACGTTCGC	4320
CGGCTTTCCC CGTCAAGCTC TAAATCGGGG GCTCCCTTA GGGTTCCGAT TTAGTGCTTT	4380
ACGGCACCTC GACCCAAAAA ACTTGATTAG GGTGATGGTT CACGTAGTGG GCCATCGCCC	4440
TGATAGACGG TTTTCGCC TTTGACGTTG GAGTCCACGT TCTTTAATAG TGGACTCTTG	4500
TTCCAAACTG GAACAAACACT CAACCCTATC TCGGTCTATT CTTTGATT ATAAGGGATT	4560

APPROVED	O.G. FIG.	
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## FIG. 6D

TTGCCGATTT	CGGCCTATTG	GTTAAAAAAT	GAGCTGATTT	AACAAAATT	TAACGCGAAT	4620
TTTAACAAA	TATTAACGTT	TACAATTCA	GGTGGCACTT	TTCGGGGAAA	TGTGCGCGGA	4680
ACCCCTATT	TTTATTTT	CTAAATACAT	TCAAATATGT	ATCCGCTCAT	GAGACAATAA	4740
CCCTGATAAA	TGCTTCATA	ATATTGAAA	AGGAAGAGTA	TGAGTATTCA	ACATTTCCGT	4800
GTCGCCCTA	TTCCCTTTT	TGCAGCATT	TGCCTTCCTG	TTTTGCTCA	CCCAGAAACG	4860
CTGGTGAAAG	AAAAAGATGC	TGAAGATCAG	TTGGGTGCAC	GAGTGGGTTA	CATCGAACTG	4920
GATCTCAACA	GCGGTAAGAT	CCTTGAGAGT	TTTCGCCCCG	AAGAACGTTT	TCCAATGATG	4980
AGCACTTTA	AAGTTCTGCT	ATGTGGCGCG	GTATTATCCC	GTATTGACGC	CGGGCAAGAG	5040
CAACTCGGTC	GCCGCATACA	CTATTCTCAG	AATGACTTGG	TTGAGTACTC	ACCAGTCACA	5100
GAAAAGCATC	TTACGGATGG	CATGACAGTA	AGAGAATTAT	GCAGTGCTGC	CATAACCATG	5160
AGTGATAACA	CTGCGGCCAA	CTTACTCTG	ACAACGATCG	GAGGACCGAA	GGAGCTAACCC	5220
GCTTTTTGC	ACAACATGGG	GGATCATGTA	ACTCGCCTG	ATCGTTGGGA	ACCGGAGCTG	5280
AATGAAGCCA	TACCAAACGA	CGAGCGTGAC	ACCACGATGC	CTGTAGCAAT	GGCAACAAACG	5340
TTGCGCAAAC	TATTAACCTGG	CGAACTACTT	ACTCTAGCTT	CCCGGCAACA	ATTAATAGAC	5400
TGGATGGAGG	CGGATAAAAGT	TGCAGGACCA	CTTCTGCGCT	CGGCCCTTCC	GGCTGGCTGG	5460
TTTATTGCTG	ATAATCTGG	AGCCGGTGAG	CGTGGGTCTC	GCGGTATCAT	TGCAGCACTG	5520
GGGCCAGATG	GTAAGCCCTC	CCGTATCGTA	GTTATCTACA	CGACGGGGAG	TCAGGCAACT	5580
ATGGATGAAC	GAAATAGACA	GATCGCTGAG	ATAGGTGCCT	CACTGATTAA	GCATTGGTAA	5640
CTGTCAGACC	AAGTTTACTC	ATATATACTT	TAGATTGATT	TAAAACCTCA	TTTTAATT	5700
AAAAGGATCT	AGGTGAAGAT	CCTTTTGAT	AATCTCATGA	CCAAAATCCC	TTAACGTGAG	5760
TTTCGTTCC	ACTGAGCGTC	AGACCCCGTA	GAAAAGATCA	AAGGATCTC	TTGAGATCCT	5820
TTTTTCTGC	CGCTAATCTG	CTGCTTGCAA	ACAAAAAAAC	CACCGCTACC	AGCGGTGGTT	5880
TGTTTGCAGG	ATCAAGAGCT	ACCAACTCTT	TTTCCGAAGG	TAACTGGCTT	CAGCAGAGCG	5940
CAGATACCAA	ATACTGTCCT	TCTAGTGTAG	CCGTAGTTAG	GCCACCACCT	CAAGAACTCT	6000
GTAGCACCGC	CTACATACCT	CGCTCTGCTA	ATCCTGTTAC	CAGTGGCTGC	TGCCAGTGGC	6060
GATAAGTCGT	GTCTTACCGG	GTTGGACTCA	AGACGATAGT	TACCGGATAA	GGCGCAGCGG	6120

APPROVED	O.G. FIG..	
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## FIG. 6E

TCGGGCTGAA CGGGGGGTTTC GTGCACACAG CCCAGCTTGG AGCGAACGAC CTACACCGAA 6180  
CTGAGATACC TACAGCGTGA GCATTGAGAA AGCGCCACGC TTCCCGAAGG GAGAAAGGCG 6240  
GACAGGTATC CGGTAAGCGG CAGGGTCGGA ACAGGAGAGC GCACGAGGGA GCTTCCAGGG 6300  
GGAAACGCCCT GGTATCTTTA TAGTCCTGTC GGGTTTCGCC ACCTCTGACT TGAGCGTCGA 6360  
TTTTGTGAT GCTCGTCAGG GGGCGGGAGC CTATGGAAAA ACGCCAGCAA CGCC

APPROVED	O.G. FIG.	
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FIG. 7A

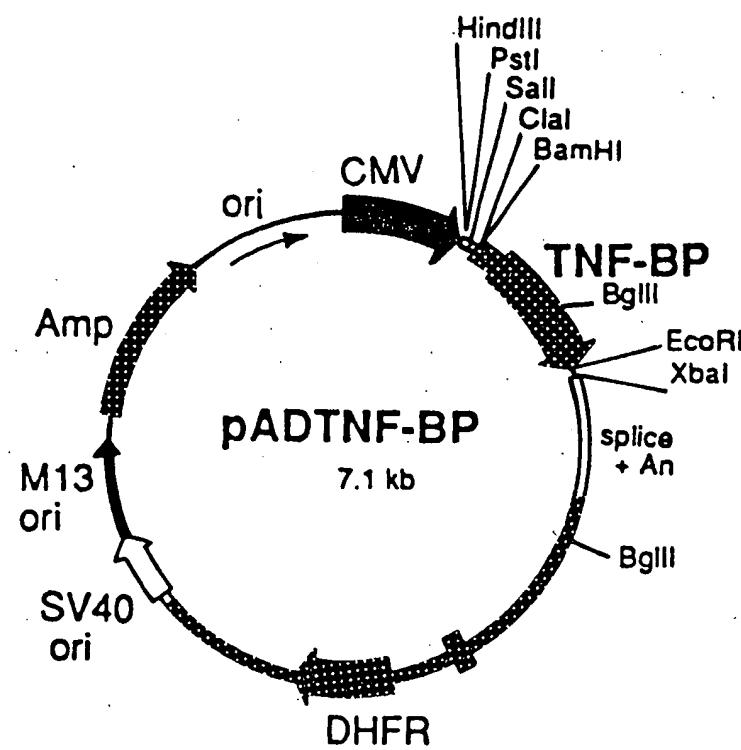
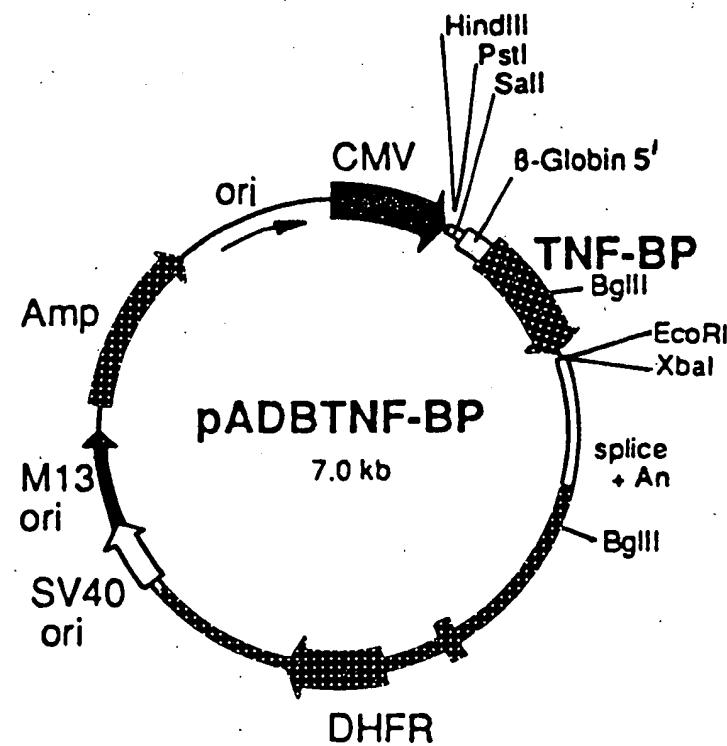


FIG. 7B



APPROVED	O.G. FIG.
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FIG. 7C

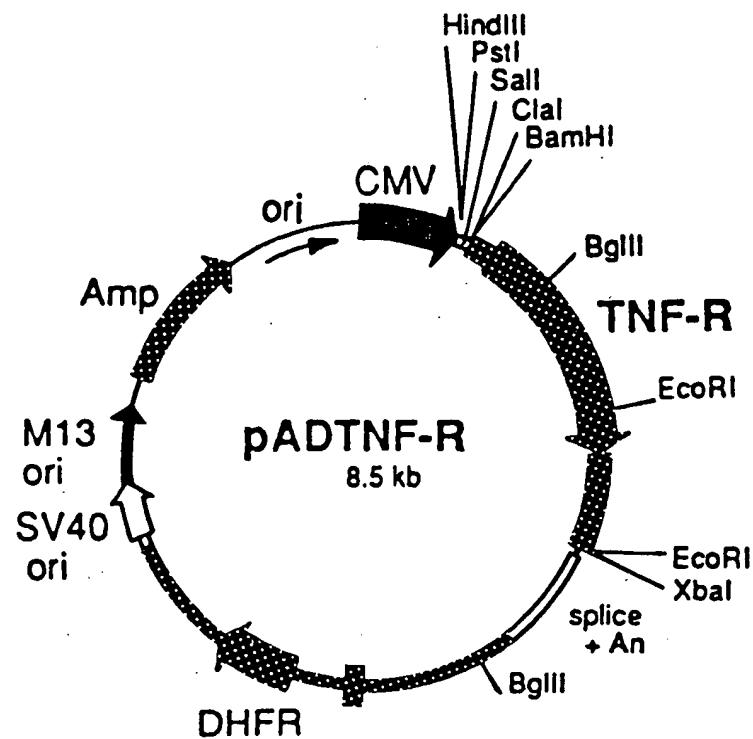
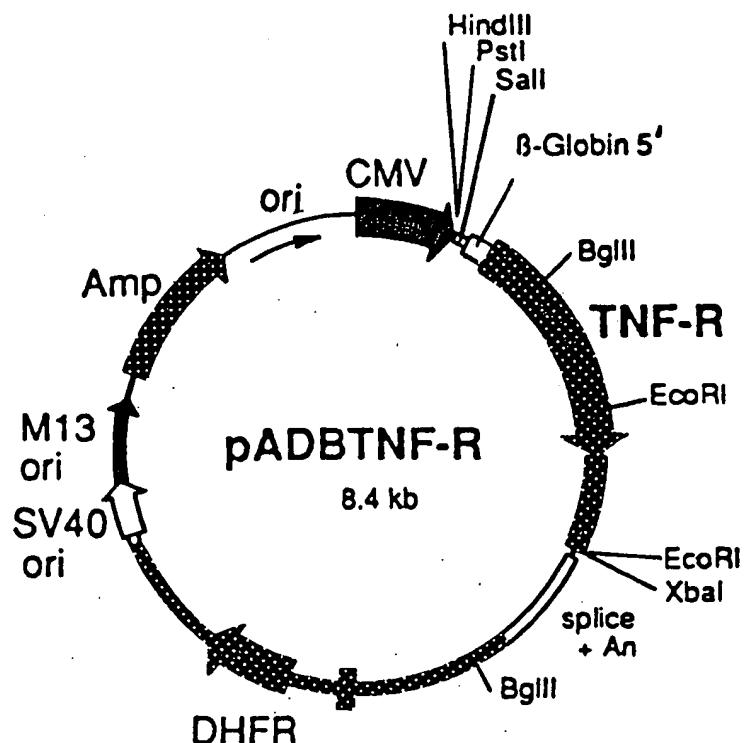


FIG. 7D



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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## FIG. 8A

raTNF-R

GAATTCCCTT TCTCCGAGTT TTCTGAACTC TGGCTCATGA TCGGGCTTAC TGGATACGAG 60  
 AATCCTGGAG, GACCGTACCC TGATTCAT CTACCTCTGA CTTTGAGCCT TTCTAACCCG 120  
 GGGCTCACCG TGCCAAACACC CGGGCCACCT GGTCGATCG TCTTACTTCA TTCACCCAGCG 180  
 TTGCCAATTG CTGCCCTGTC CCCAGCCCCA ATGGGGGAGT GAGAGAGGCC ACTGCCGGCC 240  
 GGAC  
 245/1 275/11  
 ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG TCA CTG GTG CTC CTG GCT CTG CTG ATG  
 Met Gly Leu Pro Ile Val Pro Gly Leu Leu Ser Leu Val Leu Leu Ala Leu Leu Met  
 305/21 335/31  
 GGG ATA CAC CCA TCA GGG GTC ACC GGA CTG GTT CCT TCT CTT GGT GAC CGG GAG AAG AGG  
 Gly Ile His Pro Ser Gly Val Thr Gly Leu Val Pro Ser Leu Gly Asp Arg Glu Lys Arg  
 365/41 395/51  
 GAT AAT TTG TGT CCC CAG GGA AAG TAT GCC CAT CCA AAG AAT AAT TCC ATC TGC TGC ACC  
 Asp Asn Leu Cys Pro Gln Gly Lys Tyr Ala His Pro Lys Asn Asn Ser Ile Cys Cys Thr  
 425/61 455/71  
 AAG TGC CAC AAA GGA ACC TAC TTG GTG AGT GAC TGT CCA AGC CCA GGG CAG GAA ACA GTC  
 Lys Cys His Lys Gly Thr Tyr Leu Val Ser Asp Cys Pro Ser Pro Gly Gln Glu Thr Val  
 485/81 515/91  
 TGC GAG CTC TCT CAT AAA GGC ACC TTT ACA GCT TCG CAG AAC CAC GTC AGA CAG TGT CTC  
 Cys Glu Leu Ser His Lys Gly Thr Phe Thr Ala Ser Gln Asn His Val Arg Gln Cys Leu  
 545/101 575/111  
 AGT TGC AAG ACA TGT CGG AAA GAA ATG TTC CAG GTG GAG ATT TCT CCT TGC AAA GCT GAC  
 Ser Cys Lys Thr Cys Arg Lys Glu Met Phe Gln Val Glu Ile Ser Pro Cys Lys Ala Asp  
 605/121 635/131  
 ATG GAC ACC GTG TGT GGC TGC AAG AAG AAC CAA TTC CAG CGC TAC CTG AGT GAG ACG CAT  
 Met Asp Thr Val Cys Gly Cys Lys Asn Gln Phe Gln Arg Tyr Leu Ser Glu Thr His  
 665/141 695/151  
 TTC CAG TGT GTG GAC TGC AGC CCC TGC TTC AAT GGC ACC GTG ACA ATC CCC TGT AAG GAG  
 Phe Gln Cys Val Asp Cys Ser Pro Cys Phe Asn Gly Thr Val Thr Ile Pro Cys Lys Glu  
 725/161 755/171  
 AAA CAG AAC ACC GTG TGT AAC TGC CAC GCA GGA TTC TTT CTA AGC GGA AAT GAG TGC ACC  
 Lys Gln Asn Thr Val Cys Asn Cys His Ala Gly Phe Phe Leu Ser Gly Asn Glu Cys Thr  
 785/181 815/191  
 CCT TGC AGC CAC TGC AAG AAA AAT CAG GAA TGT ATG AAG CTG TGC CTA CCT CCA GTT GCA  
 Pro Cys Ser His Cys Lys Asn Gln Glu Cys Met Lys Leu Cys Leu Pro Pro Val Ala  
 845/201 875/211  
 AAT GTC ACA AAC CCC CAG GAC TCA GGT ACT GCC GTG CTG TTG CCT CTG GTT ATC TTC CTA  
 Asn Val Thr Asn Pro Gln Asp Ser Gly Thr Ala Val Leu Leu Pro Leu Val Ile Phe Leu  
 905/221 935/231  
 GGT CTT TGC CTT TTA TTC TTT ATC TGC ATC AGT CTA CTG TGC CGA TAT CCC CAG TGG AGG  
 Gly Leu Cys Leu Leu Phe Phe Ile Cys Ile Ser Leu Leu Cys Arg Tyr Pro Gln Trp Arg  
 965/241 995/251  
 CCC AGG GTC TAC TCC ATC ATT TGT AGG GAT TCA GCT CCT GTC AAA GAG GTG GAG GGT GAA  
 Pro Arg Val Tyr Ser Ile Ile Cys Arg Asp Ser Ala Pro Val Lys Glu Val Glu Gly Glu  
 1025/261 1055/271  
 GGA ATT GTT ACT AAG CCC CTA ACT CCA GCC TCT ATC CCA GCC TTC AGC CCC AAC CCC GGC  
 Gly Ile Val Thr Lys Pro Leu Thr Pro Ala Ser Ile Pro Ala Phe Ser Pro Asn Pro Gly  
 1085/281 1115/291  
 TTC AAC CCC ACT CTG GGC TTC AGC ACC ACC CCA CGC TTC AGT CAT CCT GTC TCC AGT ACC  
 Phe Asn Pro Thr Leu Gly Phe Ser Thr Thr Pro Arg Phe Ser His Pro Val Ser Ser Thr  
 1145/301 1175/311  
 CCC ATC AGC CCC GTC TTC GGT CCT AGT AAC TGG CAC AAC TTC GTG CCA CCT GTA AGA GAG  
 Pro Ile Ser Pro Val Phe Gly Pro Ser Asn Trp His Asn Phe Val Pro Pro Val Arg Glu  
 1205/321 1235/331  
 GTG GTC CCA ACC CAG GGT GCT GAC CCT CTC CTC TAC GGA TCC CTC AAC CCT GTG CCA ATC  
 Val Val Pro Thr Gln Gly Ala Asp Pro Leu Leu Tyr Gly Ser Leu Asn Pro Val Pro Ile

APPROVED	J.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

## FIG. 8B

1265/341	1295/351
CCC GCC CCT <u>GTT CGG AAA TGG GAA GAC GTC GTC GCG GCC CAG CCA CAA CGG CTT GAC ACT</u> Pro Ala Pro Val Arg Lys Trp Glu Asp Val Val Ala Ala Gln Pro Gln Arg Leu Asp Thr 1325/361	1355/371
GCA GAC CCT GCG ATG CTG TAT GCT GTG GTG GAT GGC GTG CCT CCG ACA CGC TGG AAG GAG Ala Asp Pro Ala Met Leu Tyr Ala Val Val Asp Gly Val Pro Pro Thr Arg Trp Lys Glu 1385/381	1415/391
TTC ATG CGG CTC CTG GGG CTG AGC GAC GAG ATC GAG CGG CTG GAG CTG CAG AAC GGG Phe Met Arg Leu Leu Gly Leu Ser Glu His Glu Ile Glu Arg Leu Glu Leu Gln Asn Gly 1445/401	1475/411
CGT TGC CTC CGC GAG GCT CAT TAC AGC ATG CTG GAA GCC TGG CGG CGC CGC ACA CCG CCA Arg Cys Leu Arg Glu Ala His Tyr Ser Met Leu Glu Ala Trp Arg Arg Arg Thr Pro Arg 1505/421	1535/431
CAC GAG GCC ACG CTG GAC GTA GTG GGC CGC GTG CTT TGC GAC ATG AAC CTG CGT GGC TGC His Glu Ala Thr Leu Asp Val Val Gly Arg Val Leu Cys Asp Met Asn Leu Arg Gly Cys 1565/441	1595/451
CTG GAG AAC ATC CGC GAG ACT CTA GAA AGC CCT GCC CAC TCG TCC ACG ACC CAC CTC CCG Leu Glu Asn Ile Arg Glu Thr Leu Glu Ser Pro Ala His Ser Ser Thr Thr His Leu Pro 1625/461	
CGA TAA Arg Stop	
GGCCACACCC CCACCTCAGG AACGGGACTC GAAGGACCAT CCTGCTAGAT	1680
GCCCTGCTTC CCTGTGAACC TCCTCTTGG TCCTCTAGGG GGCAGGCTCG ATCTGGCAGG	1740
CTCGATCTGG CAGCCACTTC CTTGGTGCTA CCGACTTGGT GTACATAGCT TTTCCCAGCT	1800
GCCGAGGACA GCCTGTGCCA GCCACTTGTG CATGGCAGGG AAGTGTGCCA TCTGCTCCCA	1860
GACAGCTGAG GGTGCCAAA GCCAGGAGAG GTGATTGTGG AGAAAAAGCA CAATCTATCT	1920
GATACCCACT TGGGATGCAAA GGACCCAAAC AAAGCTTCTC AGGGCCTCCT CAGTTGATT	1980
CTGGGCCCTT TTACACAGTAG ATAAAACAGT CTTGTATTG ATTATATCAC ACTAATGGAT	2040
GAACGGTTGA ACTCCCTAAG GTAGGGCAA GCACAGAACAA GTGGGGTCTC CAGCTGGAGC	2100
CCCCGACTCT TGTAAATACA CTAAAATCT AAAAGTGAAA AAAAAAAA AAAAAAAA	2160
AAAAAAGGAA TTC	

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

## FIG. 9A

huTNF-R

GAATTCTCTG GACTGAGGCT CCAGTTCTGG CCTTTGGGGT TCAAGATCAC TGGGACCAGG 60  
 CCGTGATCTC TATGCCCGAG TCTCAACCCCT CAACTGTCAC CCCAAGGCAC TTGGGACGTC 120  
 CTGGACAGAC CGAGTCCCCGG GAAGCCCCAG CACTGCCGCT GCCACACTGC CCTGAGCCCA 180  
 AATGGGGGAG TGAGAGGCCA TAGCTGTCTG GC

213/1 243/11  
 ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CCA CTG GTG CTC CTG GAG CTG TTG GTG  
 Met Gly Leu Ser Thr Val Pro Asp Leu Leu Pro Leu Val Leu Leu Glu Leu Leu Val  
 273/21 303/31  
 GGA ATA TAC CCC TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA  
 Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu Val Pro His Leu Gly Asp Arg Glu Lys Arg  
 333/41 363/51  
 GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC  
 Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr  
 393/61 423/71  
 AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC  
 Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp  
 453/81 483/91  
 TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC  
 Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu  
 513/101 543/111  
 AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC  
 Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp  
 573/121 603/131  
 CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT  
 Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu  
 633/141 663/151  
 TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG  
 Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu  
 693/161 723/171  
 AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC  
 Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val  
 753/181 783/191  
 TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG  
 Ser Cys Ser Asn Cys Lys Ser Leu Glu Cys Thr Lys Leu Cys Leu Pro Gln Ile Glu  
 813/201 843/211  
 AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC ACA GTG CTG TTG CCC CTG GTC ATT TTC TTT  
 Asn Val Lys Gly Thr Glu Asp Ser Gly Thr Thr Val Leu Leu Pro Leu Val Ile Phe Phe  
 873/221 903/231  
 GGT CTT TGC CTT TTA TCC CTC CTC ATT GGT TTA ATG TAT CGC TAC CAA CGG TGG AAG  
 Gly Leu Cys Leu Leu Ser Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys  
 933/241 963/251  
 TCC AAG CTC TAC TCC ATT GTT TGT GGG AAA TCG ACA CCT GAA AAA GAG GGG GAG CTT GAA  
 Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys Glu Leu Glu  
 993/261 1023/271  
 GGA ACT ACT ACT AAG CCC CTG GCC CCA AAC CCA AGC TTC AGT CCC ACT CCA GGC TTC ACC  
 Gly Thr Thr Thr Lys Pro Leu Ala Pro Asn Pro Ser Phe Ser Pro Thr Pro Gly Phe Thr  
 1053/281 1083/291  
 CCC ACC CTG GGC TTC AGT CCC GTG CCC AGT TCC ACC TTC ACC TCC AGC TCC ACC TAT ACC  
 Pro Thr Leu Gly Phe Ser Pro Val Pro Ser Ser Thr Phe Thr Ser Ser Thr Tyr Thr  
 1113/301 1143/311  
 CCC GGT GAC TGT CCC AAC TTT GCG GCT CCC CGC AGA GAG GTG GCA CCA CCC TAT CAG GGG  
 Pro Gly Asp Cys Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala Pro Pro Tyr Gln Gly  
 1173/321 1203/331  
 GCT GAC CCC ATC CTT GCG ACA GCC CTC GCC TCC GAC CCC ATC CCC AAC CCC CTT CAG AAG  
 Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala Ser Asp Pro Ile Pro Asn Pro Leu Gln Lys

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

## FIG. 9B

1233/341	1263/351
TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC CTA GAC ACT GAT GAC CCC GCG ACG CTG TAC	
Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala Thr Leu Tyr	
1293/361	1323/371
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAG GAA TTC GTG CGG CGC CTA GGG CTG	
Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg Arg Leu Gly Leu	
1353/381	1383/391
AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG AAC GGG CGC TGC CTG CGC GAG GCG CAA	
Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln	
1413/401	1443/411
TAC AGC ATG CTG GCG ACC TGG AGG CGG CGC ACG CCG CGG CGC GAG GCC ACG CTG GAG CTG	
Tyr Ser Met Leu Ala Thr Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala Thr Leu Glu Leu	
1473/421	1503/431
CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC TGC CTG GAG GAC ATC GAG GAG GCG	
Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp Ile Glu Glu Ala	
1533/441	1563/451
CTT TGC GGC CCC GCC CTC CCG CCC GCG CCC AGT CTT CTC AGA TGA	1580
Leu Cys Gly Pro Ala Ala Leu Pro Pro Ala Pro Ser Leu Leu Arg Stop	
GGCTGCGCCCC CTGCGGGCAG CTCTAAGGAC CGTCCTGCGA 1620	
GATCGCCCTTC CAACCCCCACT TTTTCTGGA AAGGAGGGGT CCTGCAGGGG CAAGCAGGAG 1680	
CTAGCAGCCG CCTACTTGGT GCTAACCCCT CGATGTACAT AGCTTTCTC AGCTGCCTGC 1740	
GCGCCGCCGA CAGTCAGCGC TGTGCGCGCG GAGAGAGGTG CGCCGTGGC TCAAGAGCCT 1800	
GAGTGGGTGG TTTGCGAGGA TGAGGGACGC TATGCCTCAT GCCCCTTTG GGTGTCCCTCA 1860	
CCAGCAAGGC TGCTCGGGGG CCCCTGGTTC GTCCCTGAGC CTTTTTCACA GTGCATAAGC 1920	
AGTTTTTTT GTTTTGT TTGTTTGT TTGTTTTAAA TCAATCATGT TACACTAATA 1980	
GAAACTTGGC ACTCCTGTGC CCTCTGCCTG GACAAGCACA TAGCAAGCTG AACTGTCCTA 2040	
AGGCAGGGGC GAGCACGGAA CAATGGGGCC TTCAGCTGGA GCTGTGGACT TTTGTACATA 2100	
CACTAAAATT CTGAAGTTAA AAAAAAAA AAAAGGAATT C 2141	

APPROVED	O.G. FIG.	
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FIG.10

